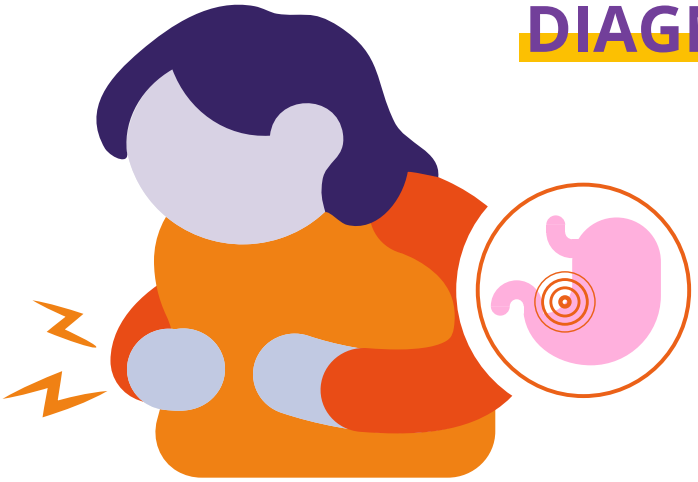
YOUR FUNCTIONAL DYSPEPSIA DIAGNOSIS CHECK LIST



HOW TO DEFINE FUNCTIONAL DYSPEPSIA?

A **chronic disorder**
defined by **abdominal** symptoms
originating from the
upper gastrointestinal (GI) region

A disorder of
gut-brain interaction (DGBI) [1]

4 MAIN SYMPTOMS [2]

- "It's like being stabbed from the inside out." — Epigastric pain
- "My stomach burns like it's on fire." — Epigastric burning
- "I feel full even if I don't eat much." — Early satiety (inability to finish a meal)
- "I feel like I have a stone in my stomach." — Postprandial fullness (after a normal-size meal)

\+

the **absence of structural disease**
on routine investigations (endoscopy)

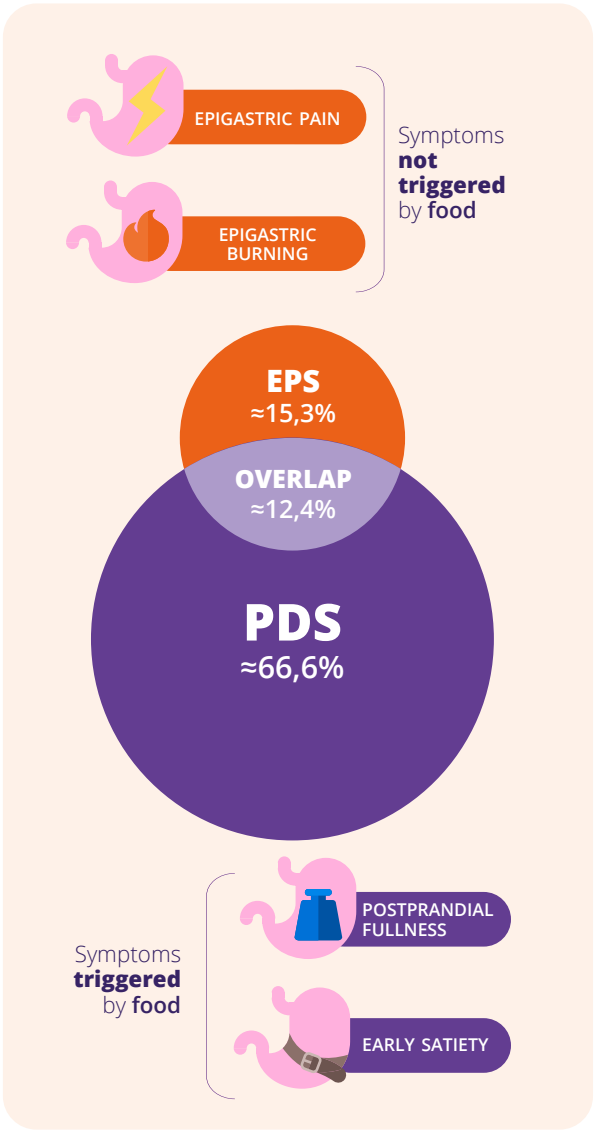
- Prevalence of **7% of adults** [3] depending on the geographical region and the criteria used for assessment [4]
- **Very common overlap with gastroparesis, reflux, Irritable Bowel Syndrome, and bloating symptoms**

LIST OF SYNONYMOUS DISORDER NAMES:
Indigestion, gastritis, non-ulcer dyspepsia

THE TWO SUBTYPES OF FUNCTIONAL DYSPEPSIA

- Epigastric Pain Syndrome (EPS),
- Postprandial Distress Syndrome (PDS)
  → the most common form

2 subtypes of dyspepsia which sometimes overlap



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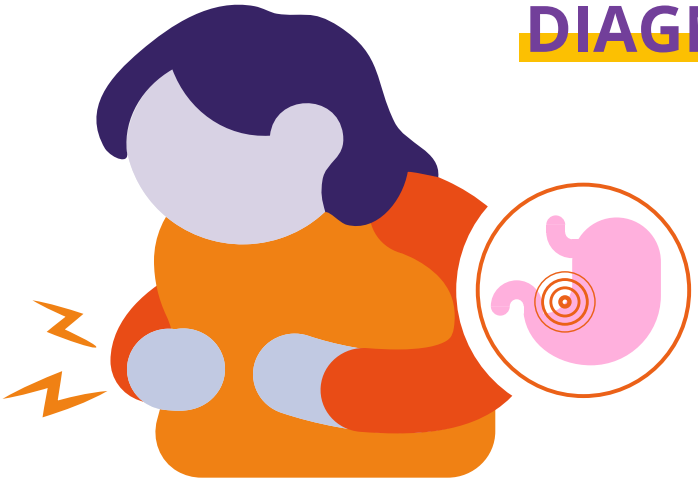
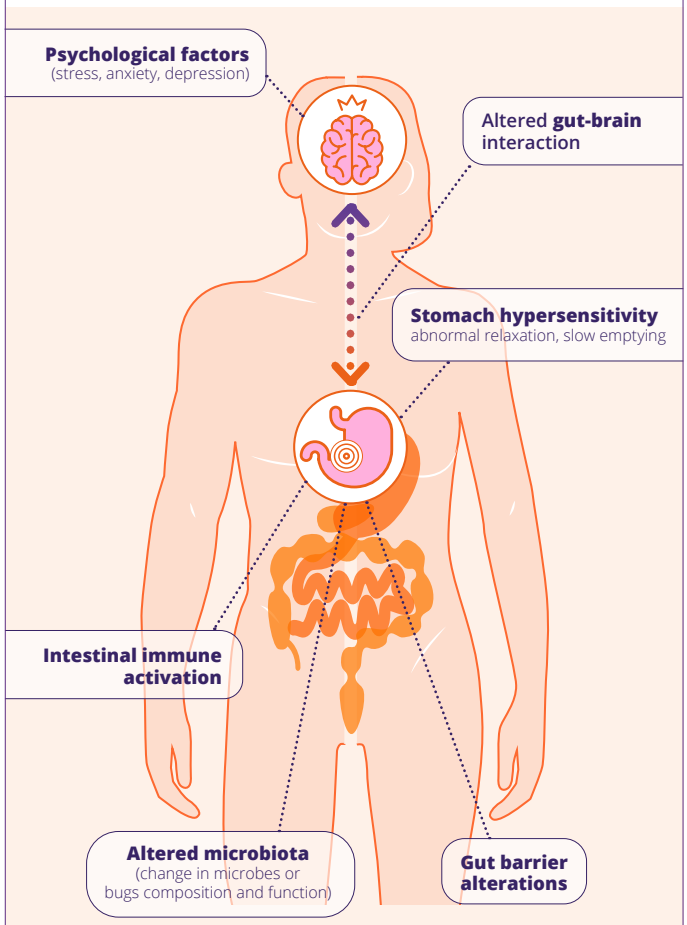
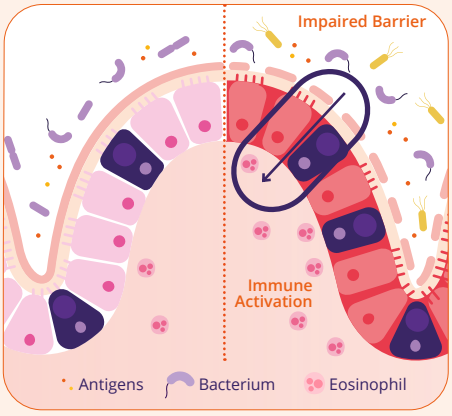
YOUR FUNCTIONAL DYSPEPSIA DIAGNOSIS CHECK LIST



WHAT DO WE KNOW ABOUT THE PATHOPHYSIOLOGY?





Source: adaptated from (1)

HOW TO MAKE A CONFIDENT DIAGNOSIS?

The diagnosis is based on symptoms according to Rome criteria[2]:

Question to ask
When do the symptoms start?

☑ Presence of at least one symptom severe enough to impact usual activities → in the last past **3 months** and at least for **6 months** prior to diagnosis

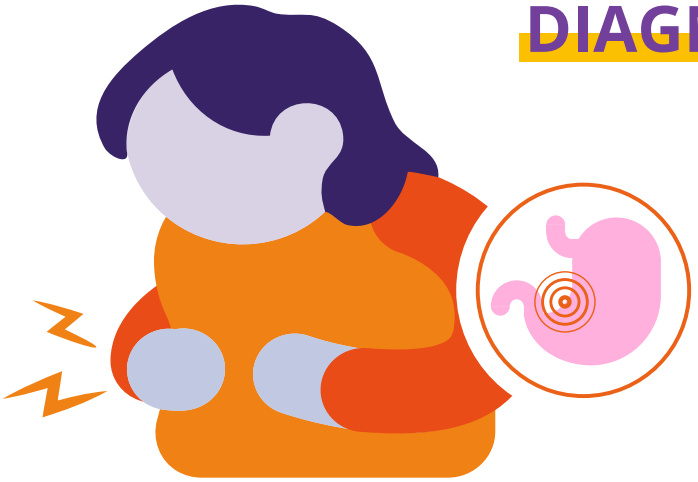
PDS at least 3 days per week	EPS at least once per week
Postprandial fullness (after a normal-size meal)	Epigastric pain
Early satiety (inability to finish a meal)	Epigastric burning

☑ and no evidence of structural disease (including on upper endoscopy) that is likely to explain the symptoms.

RISK FACTORS [3]

- ☑ *Helicobacter pylori* infection
- ☑ Being female
- ☑ Using certain pain relievers such as aspirin and ibuprofen
- ☑ Smoking
- ☑ Anxiety or depression
- ☑ History of childhood physical or sexual abuse

YOUR FUNCTIONAL DYSPEPSIA DIAGNOSIS CHECK LIST



WHAT ARE THE WARNING SIGNS TO BE EXCLUDED?

Check list of red flags to be investigated to confirm the diagnosis

ALARM SYMPTOMS [5]

- ☑ Age > 55 years* with new-onset dyspepsia
- ☑ Evidence of overt gastrointestinal bleeding including melena or haematemesis
- ☑ Dysphagia, especially if progressive, or odynophagia
- ☑ Persistent vomiting
- ☑ Unintentional weight loss
- ☑ Family history of gastric or oesophageal cancer
- ☑ Palpable abdominal or epigastric mass or abnormal adenopathy
- ☑ Evidence of iron-deficiency anaemia after blood testing

**In regions with a high background prevalence rate of gastric cancer, such as Southeast Asia, a lower age threshold should be considered.*

IN CASE OF A YES ADDITIONAL EVALUATION SHOULD BE CONSIDERED

REFER TO GASTROENTEROLOGIST FOR REVIEW

WHAT INVESTIGATIONS ARE NEEDED

RECOMMENDED
AS ROUTINE TESTS

- ***H. pylori*** **test is recommended as the first one to be carried out:** *stool antigen, urea breath test*
- *Evaluation of the* **lower GI symptoms** *as IBS frequently overlaps with FD; in that case essential to assess for celiac disease*
- *Assessment of the* **drug history** *(particularly about opioids and cannabis) + NSAIDs*

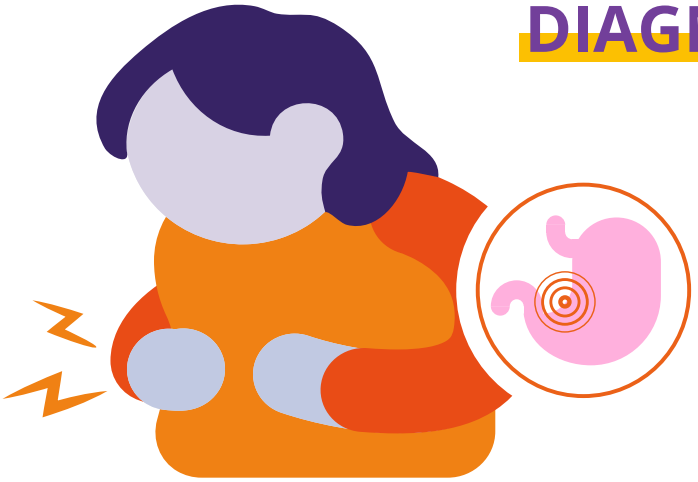
CONSIDER
IN SPECIFIC CASE

- **Endoscopy** *for patients with recent onset symptoms and weight loss, and more than 55 years old; biopsy should be done if H. pylori status is unknown at endoscopy*
- **Gastric emptying** *(preferable scintigraphy) in case of nausea/vomiting*

NOT USEFUL
AS ROUTINE TEST

- **Blood testing**

YOUR FUNCTIONAL DYSPEPSIA DIAGNOSIS CHECK LIST



WHAT ARE THE GENERAL MANAGEMENT CONCEPTS?

1 LIFESTYLE ADVICE

Healthy diet
Limiting the intakes of potential dietary triggers (caffeine, spicy food...)

Regular physical activity

Regular sleep

Probiotics

If failure

2 DRUG-BASED TREATMENT

Acid suppression
PPIs or H2RA

Prokinetics
D2-antagonist, 5HT4/motilin-agonists

Consider referral for a Gastroenterologist

If failure

3 NEUROMODULATORS

Tricyclic antidepressant

If failure

4 Cognitive behaviour therapy, hypnotherapy, stress management

Sources : (3), (6), (7)

WHEN TO SCHEDULE FOLLOW-UP CARE?

Follow-up approach depends on response to treatment (many non-responders)

2-3 months
is a good interval for follow-up, with increasing intervals in case of treatment response

Depending on the patient's initiative

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7. Corsetti M, Fox M. The management of functional dyspepsia in clinical practice: what lessons can be learnt from recent literature? F1000Research. 2017, 6(F1000 Faculty Rev):1778 Last updated

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What to tell the patient?

What is a DGBI?

The stomach and bowel talk to the brain, and the brain talks to the gut.

A disorder of gut-brain interaction (DGBI) means the signalling is disturbed leading to symptoms. One common example of a DGBI is functional dyspepsia (FD).

In FD the brain receives too many signals from the stomach which are normally filtered.

What to say about functional dyspepsia?

Recurrent fullness (often called bloating), epigastric pain or burning and difficulty finishing a normal meal (early satiation), characterize this symptom-based disorder named FD.

FD is a disorder of gut-brain interaction, the two organs don't communicate with each other properly.

FD is a symptom-based disorder with no tissue damage.

Gastrointestinal symptoms do not come alone, FD is often accompanied by higher levels of psychological upset such as anxiety, stress and depression.

What is microbiota?

The microbial communities that live inside the gut are called microbiota.

An unbalanced duodenal microbiota or dysbiosis, is a change in the composition and functions of the microorganisms that live in the gut.

Food, bacteria, or substances found in the gut can sometimes cause the gut to malfunction and trigger symptoms.

What is the management of FD?

FD is a chronic disorder where symptoms can be managed through lifestyle changes, dietary therapy, medications and psychological therapies.

We will meet every 2-3 months to follow up the effectiveness of the treatment/strategy.

Most frequently asked questions

Can I be cured? Is it chronic/forever?

FD can be treated but not cured. Recovery by itself is possible

Am I likely to develop cancer?

FD is not putting the patient at risk in developing any cancers

What causes FD?

FD is multifactorial disorder caused by altered gut sensitivity, motility, microbiota and communication between the gut and the brain

Can diet help reduce symptoms?

Diet is relevant and constitutes a strong ally

Does drinking water help dyspepsia?

Water does not improve FD

Can I die from FD?

FD does not increase the risk of death